

Project Title	Funding	Strategic Plan Objective	Institution
Genetic basis of autism	\$6,175,430	Q3.8	Cold Spring Harbor Laboratory
Cell repository	\$4,318,579	Q2.1	Rutgers, The State University of New Jersey
Software for collecting and managing data from Simons Simplex Collection	\$4,145,488	Q6.1	Prometheus Research LLC
A genome-wide search for autism genes in the Simons Simplex Collection	\$2,896,750	Q3.8	Yale University
Neural and cognitive mechanisms of autism	\$1,500,000	Q4.5	Massachusetts Institute of Technology
Simons Simplex Collection Site - 9	\$1,342,262	Q3.8	University of Michigan
Mutation analysis of candidate genes derived from an autism protein interaction network in SSC autism samples	\$1,133,994	Q3.8	Baylor College of Medicine
Comprehensive genetic variation detection to definitively assess the role of the X chromosome in autism	\$1,019,797	Q3.2	Emory University
Novel models to define the genetic basis of autism	\$800,694	Q4.5	Cold Spring Harbor Laboratory
Infrastructure support for autism research at MIT	\$750,000	Other	Massachusetts Institute of Technology
SFARI Base - A web interface for database characterizing the study subjects from Simons Simplex Collection	\$698,000	Other	Mindspec, Inc.
Simons Simplex Collection Site - 7	\$564,055	Q3.8	Yale University
Simons Simplex Collection Site - 13	\$562,415	Q3.8	Boston Children's Hospital
Identification of aberrantly methylated genes in autism: The role of advanced paternal age	\$499,780	Q3.Other	Research Foundation for Mental Hygiene, Inc.
Function and dysfunction of neuroligins	\$498,665	Q4.5	Stanford University
Investigation of the role of MET kinase in autism	\$488,411	Q4.5	Johns Hopkins University School of Medicine
Simons Simplex Collection Site - 8	\$480,985	Q3.8	Emory University
Relevance of NPAS1/3 balance to autism and schizophrenia	\$475,787	Q3.2	University of Texas Southwestern Medical Center
Simons Simplex Collection Site - 3	\$473,036	Q3.8	Washington University in St. Louis
The role of Contactin-associated Protein-like 2 (CNTNAP2) and other novel genes in autism	\$464,601	Q3.8	Johns Hopkins University School of Medicine
Simons Simplex Collection Site - 1	\$458,174	Q3.8	Baylor College of Medicine
Simons Simplex Collection Site - 11	\$458,000	Q3.8	Columbia University
A non-human primate autism model based on maternal infection	\$446,873	Q4.5	California Institute of Technology
Cellular and molecular alterations in gabaergic inhibitory circuits by mutations in MECP2, a gene implicated in the Rett syndrome of the autism spectrum disorders	\$441,032	Q4.5	Cold Spring Harbor Laboratory
Identifying and understanding the action of autism susceptibility genes	\$409,620	Q3.8	University of Oxford
Studies of postmortem brain searching for epigenetic defects causing autism	\$400,000	Q3.8	Baylor College of Medicine
A recurrent genetic cause of autism	\$400,000	Q3.8	Massachusetts General Hospital

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Genome-wide analyses of DNA methylation in autism	\$400,000	Q3.Other	Massachusetts General Hospital
Synaptic and circuitry mechanisms of repetitive behaviors in autism	\$400,000	Q4.5	Duke University Medical Center
Genomic imbalances at the 22q11 locus and predisposition to autism	\$400,000	Q4.5	Columbia University
Simons Simplex Collection Site - 6	\$393,989	Q3.8	University of California, Los Angeles
Using zebrafish and chemical screening to define function of autism genes	\$390,993	Q4.5	Whitehead Institute for Biomedical Research
Simons Simplex Collection Site - 4	\$369,014	Q3.8	University of Illinois at Chicago
Role of UBE3A in neocortical plasticity and function	\$367,500	Q4.5	Duke University
Simons Simplex Collection Site - 2	\$362,500	Q3.8	University of Washington
The role of Shank3 in autism spectrum disorders	\$360,000	Q4.5	Mount Sinai School of Medicine
Regulation of synaptogenesis by cyclin dependent kinase 5	\$327,398	Q4.5	Massachusetts Institute of Technology
Simons Simplex Collection Site - 12	\$316,564	Q3.8	Vanderbilt University
Testing neurological models of autism	\$315,526	Q2.Other	California Institute of Technology
Perturbed activity dependent plasticity mechanisms in autism	\$296,372	Q4.5	Harvard Medical School
Recessive genes for autism and mental retardation	\$289,040	Q3.8	Beth Israel Deaconess Medical Center
Comprehensive follow-up of novel autism genetic discoveries	\$289,026	Q3.8	Massachusetts General Hospital
Mice lacking Shank postsynaptic scaffolds as an animal model of autism	\$250,806	Q4.5	Massachusetts Institute of Technology
Autism spectrum disorder and the visual analysis of human motion	\$250,000	Q2.5	Rutgers, The State University of New Jersey
Brain circuitry in simplex autism	\$250,000	Q2.Other	Washington University in St. Louis
Simons Simplex Collection Site - 5	\$242,504	Q3.8	The Research Institute of the McGill University Health Centre
Neural mechanisms for social cognition in ASD	\$238,040	Q2.5	Massachusetts Institute of Technology
Connectopathic analysis of autism	\$234,451	Q4.5	Harvard University
A study of autism	\$217,402	Q1.Other	University of Pennsylvania
Role of Wnt signaling through Dishevelled, Dact and p120catenin in forebrain development, synaptic physiology, and mouse behavior: Exploration of a pathway with many components linked to autism spectrum disorders	\$210,122	Q4.5	University of California, San Francisco
Dysregulation of p13/AKT in mouse models for social interaction deficits and for ASD with macrocephaly	\$204,926	Q4.5	University of Texas Southwestern Medical Center

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Neurexin-neuroligin trans-synaptic interaction in learning and memory	\$200,000	Q4.5	Columbia University
Probing a monogenic form of autism from molecules to behavior	\$187,500	Q4.5	Stanford University
Role of TSC/mTOR signaling pathway in autism and autism spectrum disorders	\$178,843	Q3.2	Massachusetts General Hospital
Simons Simplex Collection Site - 10	\$172,538	Q3.8	University of Missouri
Exploring the role of synaptic proteins in mouse models of autism	\$165,572	Q4.5	The Rockefeller University
A better understanding of the therapeutic actions of specific neuroleptics in autism	\$165,572	Q4.5	The Rockefeller University
Signatures of gene expression in ASD	\$150,000	Q1.3	Boston Children's Hospital
Mis-regulation of BDNF in autism spectrum disorders	\$150,000	Q1.3	Weill Cornell Medical College
Language processing in children with 22q11 deletion syndrome and autism	\$150,000	Q1.4	Emory University
Autism and SNPs in the IGF pathway	\$150,000	Q3.8	Princeton University
Aberrant synaptic function due to TSC mutation in autism	\$150,000	Q4.5	Columbia University Medical Center
Testing the effects of cortical disconnection in non-human primates	\$150,000	Q4.5	Salk Institute for Biological Studies
Longitudinal neurogenetics of atypical social brain development in autism	\$146,082	Q2.5	Yale University
Autism dysmorphology measure validity study	\$143,873	Q1.2	University of Missouri
The mirror neuron system in children with autism	\$118,156	Q4.1	University of Washington
Executive functioning, theory of mind, and neurodevelopmental outcomes	\$118,007	Q1.4	Vanderbilt University Medical Center
Oxytocin biology and the social deficits of autism spectrum disorders	\$112,500	Q1.3	Stanford University
Regulation of inflammatory TH17 cells in ASD	\$112,500	Q2.2	New York University School of Medicine
Language learning in autism	\$112,159	Q1.5	Georgetown University
Simons Simplex Collection Site - 14	\$84,827	Q3.8	University of Massachusetts Medical School
A system biology approach to autism genetics	\$75,624	Q3.8	University of California, Los Angeles
Exploring the role of synaptic proteins in mouse models of autism	\$66,228	Q2.Other	The Rockefeller University
Neuronal populations related to deficits in social emotions and cognition in autism: A neurobiological and genomics approach	\$62,500	Q3.8	California Institute of Technology
MET receptor tyrosine kinase and autism spectrum disorder	\$62,500	Q3.9	Vanderbilt University

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Demonstration of the novel RASL/DASL method for analysis of gene expression in frontal cortex in autism and control cases	\$62,103	Q3.8	University of California, San Diego
Generation of genetic models of autism in mice	\$60,000	Q4.5	New York University School of Medicine

